REF: P60189

IM-Ocular Epithelial Cell Medium

Product Type: IM-Ocular Epithelial Cell Medium

Catalog Number: P60189

Product Description

IM-Ocular Epithelial Cell Medium (IM-CEpiCM) is a complete medium designed for optimal growth of immortalized human conjunctival and corneal epithelial cells in vitro. It is a sterile, liquid medium which contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, hormones, growth factors and trace minerals. The medium is a 10% Serum. It is HEPES and bicarbonate buffered and has a pH of 7.4 when equilibrated in an incubator with an atmosphere of 5% CO_2/95% air. The medium is formulated (quantitatively and qualitatively) to provide a defined and optimally balanced nutritional environment that selectively promotes proliferation and growth of immortalized ocular epithelial cells *in vitro*.

Components

- 500 ml of Basal Medium
- 5 ml of growth supplements (EpiCGS)
- 5 ml of penicillin/streptomycin solution (P/S solution)
- 25 ml FBS

Prepare for use

Thaw EpiCGS, FBS and P/S solution at 37°C. Gently tilt the EpiCGS tube several times during thawing to help the contents dissolve. **Make sure the contents of the supplement are completely dissolved into solution before adding to the medium.** Rinse the bottle and tubes with 70% ethanol, and then wipe to remove excess. Remove the cap, being careful not to touch the interior threads with fingers. Add EpiCGS, FBS and P/S solution into basal medium in a sterile field, mix well and then the reconstituted medium is ready for use. Since several components of this medium are light-labile, it is recommended that the medium not be exposed to light for lengthy periods of time. If the medium is warmed prior to use, do not exceed 37°C. When stored in the dark at 4°C, the reconstituted medium is stable for one month.

Product Use

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, for application to humans or animals, or for use in vitro diagnostic or clinical procedures.

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